

P8161 SERIES

51N LED Square Retrofit • Wet location listed



Description:

The P8161 is ideal for use in both new construction as well as remodel/retrofit. The sleek geometric shape provides a high end appeal for residential and commercial spaces. Light output is comparable to that of a typical 65W incandescent downlight, providing up to 75% energy savings. The P8161 is equipped with both Edison base adaptor and quick link connector allowing easy installation in many standard round incandescent recessed housings.

Specifications:

- White finish.
- Diffused polycarbonate lens controls direct glare from the LEDs
- Easy "Push and Twist" installation with (3) friction spring clips
- Can be installed in most 5" round recessed housings
- Dimmable to 10% with many Triac/Forward Phase dimmers
- Lumen output and distribution comparable to a 65W incandescent lamp
- Suitable for use in IC or NON-IC Applications
- Provided with quick link for use with E26 Edison Base adapter
- 694 lumens.
- ENERGY STAR® qualified
- Meets California Title 24 JA8-2016

Performance:

| | |
|---------------------|------------------------------------|
| Input Power | 9w |
| Input Voltage | 120 V |
| Input Frequency | 60 Hz |
| Lumens/LPW | 694/77 (LM-79) |
| CCT | 3000 K |
| CRI | 90+ |
| Life (hours) | 50,000 (L70/TM-21) |
| EMI/RFI | FCC Title 47, Part 15 Class B |
| Min. Start Temp | -30 °C |
| Max. Operating Temp | 30° C |
| Warranty | 5 year warranty |
| Labels | cCSAus Wet location listed |
| | ENERGY STAR® qualified |
| | Meets California Title 24 JA8-2016 |

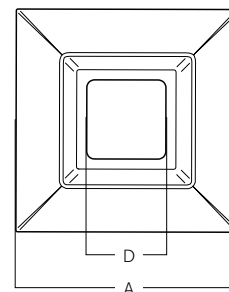
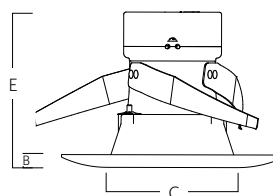
Images:

P8161-28-30K



Dimensions:

- (A) Outside Square: 5.75"
- (B) Height: 0.31"
- (C) Inside Square: 3.25"
- (D) Light Emitting Surface (LES): 2"
- (E) Overall Ht.: 4"



Photometrics:

P8161-28-30K

| ELECTRICAL DATA | P8161-28-30K |
|---|-------------------------------|
| Input Voltage | 120 V |
| Input Frequency | 60 Hz |
| Input Current | 0.077 A |
| Power Factor | Greater than 0.90 |
| THD | <20% |
| EMI Filtering | FCC Title 47, Part 15 Class B |
| Operating Temperature | -30 °C to 30° C |
| Dimming | Yes* |
| Over-voltage, over-current, short-circuit protected | |

*See Dimming Notes for more information

P8161-28-30K

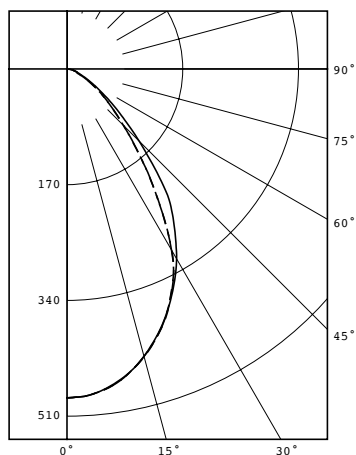
LED Light Engine: 3000 K, 90+ CRI

System Wattage: 9

Fixture Delivered Lumens: 694

Fixture Efficacy: 77

Spacing Criteria: 1.02



CANDELA DISTRIBUTION

| DEGREE | CANDELA | | | | | LUMENS | |
|--------|---------|------|------|------|------|--------|-----|
| | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 | | |
| 0 | 483 | 483 | 483 | 483 | 483 | 483 | |
| 5 | 478 | 478 | 478 | 478 | 478 | 478 | 45 |
| 15 | 438 | 437 | 437 | 437 | 437 | 437 | 123 |
| 25 | 362 | 364 | 365 | 364 | 363 | 363 | 167 |
| 35 | 232 | 248 | 273 | 248 | 231 | 231 | 156 |
| 45 | 118 | 129 | 150 | 129 | 117 | 117 | 103 |
| 55 | 58 | 64 | 67 | 64 | 58 | 58 | 57 |
| 65 | 23 | 26 | 28 | 26 | 23 | 23 | 27 |
| 75 | 12 | 13 | 12 | 13 | 12 | 12 | 13 |
| 85 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | |

ZONAL LUMEN SUMMARY

| Zone | Lumens | %_Fixt |
|--------|--------|--------|
| 0-30 | 334 | 48.2 |
| 0-40 | 490 | 70.6 |
| 0-60 | 651 | 93.8 |
| 0-90 | 694 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 694 | 100.0 |

P8161-28-30K

Dimming Notes:

P8161 is designed to be compatible with many Triac/Forward Phase controls.

The following is a partial list of known compatible dimmer controls.

Dimming Controls

Lutron NTEVL-300

Lutron AYLV-600P

Leviton 6672

Dimming capabilities will vary depending on the dimmer control, load, and circuit installation. Always refer to dimmer manufacturer instructions or a controls specialist for specific requirements.

Dimmer control brand names where identified above are trade names or registered trademarks of each respective company.